CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

QC ABSTRACT

Nameof Work: De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes as per frequency	Actual No's of testes as per frequency	Testes Resuts
1	1:4:8	65.14 Cum	1	1	Pass
2	Steel	7.98 Tonne	1	1	Pass
3	M20	132.93 Cum	6	6	Pass
4	Slab - 100mm	340.70 Sqm	1	1	Pass

Cubes

0-5 Cum	1Set
6-15 Cum	2Set
16-30 Cum	3Set
31-50 Cum	4Set

Add 1set for extra 50Cum

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 05.07.2023

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** T Dasarahalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri G Ashwathappa ,** Contractor, Bangalore.
NAME OF THE WORK	:	De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.
SAMPLE ID	:	Cement (Birla OPC 53 Grade)
DATE OF MANUFACTURE		June-2023
DATE OF TESTING		03.07.2023 to 05.07.2023
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	346 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples collected at the site.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date : 05.07.2023

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Sri G Ashwathappa , Contractor, Bangalore.**

Name of Work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Date of Testing : 05.07.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II,
10	0	0	0	100	100
4.75	77	7.70	7.70	92.3	90-100
2.36	142	14.20	21.90	78.1	75-100
1.18	175	17.50	39.40	60.6	55-90
600 Micron	159	15.90	55.30	44.7	35-59
300 Micron	241	24.10	79.40	20.6	8-30
150 Micron	140	14.00	93.40	6.6	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No. CACE/BBMP/GA/W.No.14/2023-24 Date : 05.07.2023

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Sri G Ashwathappa , Contractor, Bangalore.**

Name of Work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Date of Testing : 05.07.2023

Material : Sand - Masonry Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	19	1.90	1.90	98.1	90-100
1.18	55	5.50	7.40	92.6	70-100
600 Micron	79	7.90	15.30	84.7	40-100
300 Micron	248	24.80	40.10	59.9	5-70
150 Micron	502	50.20	90.30	9.7	0-15

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date : 05.07.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Sri G Ashwathappa , Contractor, Bangalore.**

Name of Work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Date of Testing : 05.07.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	185	3.7	3.7	96.3	95-100
10	2493	49.9	53.6	46.4	25-55
4.75	1942	38.8	92.4	7.6	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date : 05.07.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Sri G Ashwathappa , Contractor, Bangalore.**

Name of Work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Date of Testing : 05.07.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	182	1.21	1.21	98.79	95-100
20	8241	54.94	56.15	43.85	30-70
10	3246	21.64	77.79	22.21	10-35
4.75	2749	18.33	96.12	3.88	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date 07.07.2023

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Sri G Ashwathappa , Contractor, Bangalore.**

Name of Work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Steel Dia/Length : 8mm,10mm " Fe500 TMT Bars"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test 07.07.2023

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.399	540	625	1.16	14.5
2	TMT	10	0.621	549	642	1.17	15

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24

Date: 21.07.2023

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	: Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Contractor	:	: Sri G Ashwathappa , Contractor, Bangalore. F
Name of Work	:	: De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	21.07.2023
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.377	2430.44	1.58	0.955	33.10	16.86	18.21	17.38	21.73
2	50.00	81.00	0.385	2420.73	1.62	0.959	33.50	17.06	18.43	17.67	22.09
3	50.00	83.00	0.392	2405.35	1.66	0.963	33.90	17.27	18.65	17.96	22.45

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 20.07.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency **:Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.07.2023	20.07.2023	8.117	333.4	14.82
2	13.07.2023	20.07.2023	8.127	342.9	15.24
3	13.07.2023	20.07.2023	8.142	339.7	15.10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 10.08.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency **:Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.07.2023	10.08.2023	8.169	504.2	22.41
2	13.07.2023	10.08.2023	8.172	515.3	22.90
3	13.07.2023	10.08.2023	8.174	510.3	22.68

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engine
T. Dasarahalli Sub Divisio
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 24.07.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.07.2023	24.07.2023	8.122	331.9	14.75
2	17.07.2023	24.07.2023	8.141	342.9	15.24
3	17.07.2023	24.07.2023	8.157	351.8	15.64

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engi
T. Dasarahalli Sub Divis
Bagalagunte, BBMP
Bangalore-560073

for CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 14.08.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency **:Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.07.2023	14.08.2023	8.175	503.2	22.36
2	17.07.2023	14.08.2023	8.182	511.9	22.75
3	17.07.2023	14.08.2023	8.167	500.9	22.26

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

for CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24

Date: 28.07.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client — **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency — **:Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work — : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID — : Cement Concrete

Size of cubes — : 150mmx150mmx150mm

Cross Sectional Area — : 22500 mm^2

Technical Reference — : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete — : M_{20}

Compressive Strength as on — : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.07.2023	28.07.2023	8.136	336.3	14.95
2	21.07.2023	28.07.2023	8.165	346.5	15.40
3	21.07.2023	28.07.2023	8.146	352.8	15.68

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engi
T. Dasarahalli Sub Divisi
Bagalagunte, BBMP
Bangalore-560073

for CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 18.08.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency **:Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.07.2023	18.08.2023	8.165	505.2	22.45
2	21.07.2023	18.08.2023	8.158	516.3	22.95
3	21.07.2023	18.08.2023	8.172	524.3	23.30

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

for CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 31.07.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency **:Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

SLNo.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.07.2023	31.07.2023	8.140	340.3	15.12
2	24.07.2023	31.07.2023	8.155	365.2	16.23
3	24.07.2023	31.07.2023	8.172	346.5	15.40

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engin
T. Dasarahalli Sub Divisi
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24

Date: 21.08.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client — **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency — **:Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work — : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID — : Cement Concrete

Size of cubes — : 150mmx150mmx150mm

Cross Sectional Area — : 22500 mm^2

Technical Reference — : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete — : M_{20}

Compressive Strength as on — : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.07.2023	21.08.2023	8.165	506.3	22.50
2	24.07.2023	21.08.2023	8.128	498.6	22.16
3	24.07.2023	21.08.2023	8.146	519.6	23.09

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 03.08.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency **:Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.07.2023	03.08.2023	8.095	341.3	15.17
2	27.07.2023	03.08.2023	8.099	346.8	15.41
3	27.07.2023	03.08.2023	8.109	351.2	15.61

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 24.08.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**
Agency	**:Sri G Ashwathappa , Contractor, Bangalore.**
Name of the work	: De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.07.2023	24.08.2023	8.163	508.2	22.59
2	27.07.2023	24.08.2023	8.177	512.3	22.77
3	27.07.2023	24.08.2023	8.192	518.3	23.04

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 07.08.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency **:Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.07.2023	07.08.2023	8.141	332.9	14.80
2	31.07.2023	07.08.2023	8.149	341.5	15.18
3	31.07.2023	07.08.2023	8.157	353.2	15.70

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/GA/W.No.14/2023-24 Date: 28.08.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.**

Agency : **Sri G Ashwathappa , Contractor, Bangalore.**

Name of the work : De-silting and Re-setting of drain and Re-asphalting to MEI Layout New extension Main roads and cross roads in Ward No 14 Bagalagunte, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.07.2023	28.08.2023	8.160	492.5	21.89
2	31.07.2023	28.08.2023	8.195	505.3	22.46
3	31.07.2023	28.08.2023	8.180	506.3	22.50

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at site
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com